# Growing Farm Timber

Worthless Land Will Yield a Profit By Carefully Selecting and Planting Trees Adapted to the Soil

By J. A. Ferguson, Professor of Forestry, College of Agriculture, University of Missou

Planting the Seed.

not more than three-fourths of an inch

apart. There is a tendency to plant

tree seed too deeply. A covering of

one-fourth to one-half inch is suffi-

cient for light seed like birch and mul-

berry, three-fourths of an inch for

seed like maple and catalpa and one

and a half inches for such as oak and

blekery. The soll should be made

firm over the seeds, but not packed

The seedlings are cultivated during

the growing season the same as any

garden crop. During very dry sea-

sons the nursery rows should be wa-

during the first winter either by hill-

ing up the earth about them or by

mulching with straw or leaves. The

seedlings of broad-leaved trees will be

large enough for planting the spring

following the seeding. Coniferous

seedlings are left to grow for two

The distance between the rows and

The best time for planting the seed-

The seedlings should not be pulled up

Planting the Trees.

The roots of the seedlings are kept

ther attention except protection from

A growing chick requires a large

ditional ash should be added to the

ration in the form of finely crushed

fine limestone or fine bone meal. Lack

form of finely chopped lettuce, raw

Tuberculosis.

Tuberculosis or consumption is rare

in childhood; increases rapidly after

the age of fifteen, and is most com-

mon between the ages of twenty-five

and thirty. Those who escape it till

the latter age are less and less prone

Loose Screws.

Very often a screw hole gets so

worn that the screw will not stay in.

In such a case cut narrow strips of

corn and fill the hole complete. Then

force the screw in. This will make

it as tight as if driven into an entire-

Definition.

Tommy of his cynical uncle, who re-

plied: "A vegetarian, my boy, is a

man who has forgotten that all flesh

"How did you manage to keep a

cook in the country, Mrs. Welloff?"

By making the house over to her and

moving back to the city."

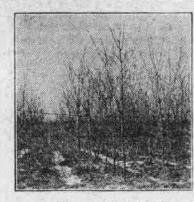
"What is a vegetarian?" oaked little

to it as they advance in years.

hard.

Nearly every farm contains some minate much quickly when planted if land that is too poor for raising crops they are allowed to souk for several and that is not available for grazing hours in warm water. Seeds of ash, or other purposes, which usually lies tulip, maple and entalpa should be idle year after year. This land is a soaked for two or three bours in warm burden to the owner, because it brings water and should be planted at once in no returns yet must bear its share and not be allowed to dry out. Seeds of the taxes. Such land cught to be of coffee bean, locust and hackberry devoted to the raising of forest trees, are started in boiling hot water and When we consider that an acre of allowed to soak for three or four days. land planted to fast-growing trees will The seeds that swell should be plantproduce from 1,000 to 3,000 fente ed at once and the rest given another posts in 20 years, and that with some treatment in hot water. species fence posts can be secured In less than 10 years, a farmer, by allowing waste places to stand idle is nursery as early in the spring as poslosing a return he could secure by a sible. They are planted in rows far slight effort. It is not a difficult mat-ter to start a woodlot. Neither is it tion. They are sown quite thick in an expensive one. It can be done the rows, especially seeds of low viwithout any expense to the owner, tallty or seeds of trees that require except the time and effort necessary crowding to prevent their becoming to start the trees.

In selecting the trees the site to be planted must be considered first, and trees chosen that are suited to that talpa, ash, maple, eim, hackberry, site. The trees growing thrifty on osage orange and locust are spaced



Locustwood Lot at Missouri College of Agriculture.

situations similar to the one to be planted should be noted, and such years and then transplanted in the trees selected for planting. Often a nursery again for another year. tree not native to the region can be found that will produce better results the distance the trees are planted than native trees. Nearly all trees apart in the rows depends upon the grow well on deep, moist, fertile soil, kind of tree and on the conditions of so it is only when a planting is to be soil and moisture. Fast growing trees made on poor soil that the selection are planted farther apart than slowof species becomes important.

growing trees. On very favorable Every farm should have a forest sites where trees grow fast a wider nursery for starting the trees for the spacing can be used than on poor soil. woodlot. Such a nursery can also be In general the trees should not be used to grow larger trees for planting spaced farther apart than four to six about the house, along the road and feet. The object in planting trees for making wind breaks. This is lo- close together is to get the ground cated on well-drained, fertile soil, such covered as quickly as possible, so that as might be selected for a garden, the trees will protect each other from Where the space can be spared, a por- the sun and drying winds. tion of the garden makes an ideal nursery site. The soil should not be lings is as soon as the frost has left made excessively rich, as too fertile the ground and when the spring rains a soil will produce rank growth in have begun. Damp, cloudy days are seedlings, making them difficult to best, for the roots will dry out less. handle in transplanting.

Seed for planting can be gathered from the nursery, but should be lifted from trees in the open much easier with a spade so as not to strip the and faster than from trees in the for- tender bark from the roots. They are est, which bear seed only on the up- placed at once in buckets of water. per brancheg. Small seed is picked from the tree, while heavy seed is gathered from the ground after it has immersed in water at all times. They fallen. Seed should not be collected are liable to die if exposed to the sun until it is ripe and should be obtained for only a minute or two. The hole is only from thrifty trees of good form dug large enough and deep enough and without disease. that the roots will not be compressed, but will lie in their natural position.

Care of Seeds During Winter. The seeds of many of our trees are The seedlings should be set in the liable to lose their vitality if allowed ground a little deeper than they stood to dry out over winter. Walnut, hick- in the nursery. The soil is pressed in ory, basswood, box elder, chestnut, against the roots as well as downsycamore, oak, butternut, osage ward, so that no air spaces are left. orange and black cherry come in this | The cultivation does not need to b list. These seeds must be kept moist deep, but should be frequent, and the by stratifying them. This consists in dirt should not be heaped up about burying the seeds, as soon as mature, the seedlings. Cultivation is not conin a shallow pit about 10 or 12 inches tinued late into the fall, as it stimudeep, located on a well-drained slope lates the trees to late growth, making where the seed will keep moist but them liable to damage by early frosts. not wet. A layer of seed should be Cultivation is continued for three or placed in the bottom of the pit and four years, or until the crowns begin covered with about six inches of earth. to touch. From that time until it be-Freezing will not injure the seeds, but comes necessary to thin out the trees will help to crack open the shells and the young plantation will need no furotherwise benefit the germination. Seeds that are stored dry will ger- grazing and fire,

### FEEDING YOUNG CHICKENS boiled eggs and finely chopped by run-

Chickens should not be fed until with milk and fed in a crumbling (not they are 48 to 70 hours old. At the sloppy) condition, makes an excellent time of hatching a large portion of ration. Skim milk should be kept bethe yolk sack is drawn into the body fore the chicks all the time. It should cavity and furnishes a portion of the be fed sour rather than aweet, befood for several days. The first food cause if fed sweet one day and sour which should be fed is fine grit in the next the quick change in the ralimited quantities. This stimulates tion will cause a diarrhoea to set up. the digestive tract and prepares the organs to receive the food which is to amount of bone-making material. Ad-

About four hours later commercial chick food and rolled oats can be fed. by sprinkling them in clover chaff oyster shells, or a grit made up of used for bedding the coop, or they may be fed on a board floor in front of bone-making material in the ration of the coop. The chicks take readily quite often results in leg weakness. to the rolled oats, and as feed it is Green food should also be fed in the hard to excell

Stale bread crumbs mixed with onlons or finely cut alfalfa.

### FEEDING TANKAGE TO HOGS

By C. E. Brashear of the College of Agriculture, University of Missouri.

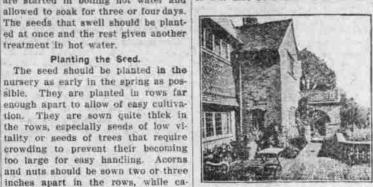
Many farmers who realize the value of tankage as a hog feed decline to feed it for fear of introducing disease into their herds. In making tankage meat scraps, bones, dead hogs, etc. are thrown together into a large tank Superheated steam is then introduced and the mixture is held at a high temperature for some time, after which the grease is drawn off and used in making soap. The remainder is dried. ground, sacked and sold as tankage. It has a high protein content, and is well adapted to hog feeding in connection with corn, about one part tankage to ten parts corn. Corn is deficient in protein, and by feeding a is as grass."—New York Evening small amount of tankage with it a Post, balanced ration may be made.

Some men not only expect the worst, but take the trouble to hunt HOUSE 700 YEARS OLD SOLD

Famous Oak Panels Will Be Exhibited in London and Some May Be Purchased by Americans.

London.-The famous old Elizabethan mansion of Rotherwas, which is seven centuries old and located near Hereford, has been sold to a wellknown art dealer of London, who has bought all the historical paneling. which, it is understood, is destined for shipment to New York, though he is very guarded in his reasons for acquiring the wonderful panels.

"I really don't know yet where it is going," he said. "I have bought the paneling and it is now being removed. It will first be exhibited in London.



Entrance Gate of Old Elizabethan Mansion of Rotherwas.

After that I don't know. Thirteen rooms want some disposing of, and possibly some of them may be sent to America. But so far there has been no offer."

However, it only requires one for the whole lot to go. The art dealer has not acquired them "for the nation," but for the highest bidder.

Seven centuries have passed since the building of Rotherwas, until last year the seat of the Bodenhams, was begun, and the most modern portion was finished in 1731. It figured in tered if suffering. They are protected Domesday Hook as "Retrowas." Twelve of the rooms were paneled with oak and other woods of the fine quality only to be found in Hereford and Wor. cester. Oak, sycamore, acacla and yew were employed singly and in combination. Three of the rooms are Elizabethan, these being the famous dining room, the James I. room, in which James I. slept in 1618, and the banqueting hall.

#### TEACHERS POSE AS SPINSTERS

New York Woman, Whose Wedding Is Discovered, Says Hundreds Do the Same.

New York .- "Scores-yes, hundreds of women teachers in the New York schools have married, yet are supposed to be single," asserts Miss Henrletta Redman, a teacher of the Wadleigh high school here, who really is Mrs. Merman DeFremery, but who had concealed the fact.

Mrs. DeFremery was following advice which she had publicly given to school teachers in proposing a "silence strike" on the marriage question because the board of education is declared to discriminate against married teachers. She intended to keep her own marriage, which was celebrated at Norwalk, Conn., February 15, hidden until promotion Mr. DeFremery is an employe of the American Museum of National History.

"Lots of married teachers are keeping their secrets better than I have kept mine," she said, "but it ought not to be necessary. We are going to collect data that will show that wives and mothers make just as good teachers as the girls who do not wed. This penalizing of marriage for woman wage-earners is uncivilized, out of date and opposed to public policy.

### MEXICAN "WAR" ROBS HOMES

Servants Quit Fashlonable Residences When Thursday Night Gayety at Army Post Stops.

Chicago.-Frantic appeals for help have been sent to Chicago employment agencies by wealthy North shore residents. A "servant famine," the most serious ever experienced by residents of Highland Park, Wilmette, Glencoe and North shore suburbs, is the forecast of a general exodus to Chicago, hotels.

The departure of the Fort Sheridan troops to the border was the signal for the exodus of female servants, who missed the usual "Thursday" night gayety at the army post.

For years back the soldiers of the post, allowed a night of recreation each week, set Thursday as the night for the festivities. As a result Thursday was the generally accepted "off night" for the help.

Chicago exchanges say that servants for North shore suburbs will demand a premium.

### LOSES LEGS TWICE

Artificial Limbs Cut Off in Rescue Effort in Same Manner Real Ones Were.

Westbury, L. I.-William Fitting, a nineteen-year-old lad, lost both of his legs for a second time. The first time was four years ago when he fell under a Long Island railway train near the station at Glen Head. On his artificial limbs he was standing at the station here when he saw a woman crossing

the tracks in front of an express train.

Recalling the accident which had befallen him, he shouted a warning to the woman, but she did not heed and young Fitting stumped his way to the tracks and dragged her from danger. only to fail himself across the rails. Other persons on the platform saw the lad run over by the train, and when it came to a stop they rushed to him. expecting to find him fatally hurt. He was picked up legless, but not in the least weunded, as the locomotive wheels had only broken off his wooden

British Boy's Essay. London.—Extract from a British chool boy's essay: "American presidents are great talkers; whenever you see their pictures, they always have their mouths open."

#### BEYOND PAGES OF HISTORY CANADA WINS AGAIN

Primitive Race of Man Existed in Africa Before Years Began to Be Counted,

A primitive race of men existed in South Africa according to a recent interesting discovery of Dr. Broom of Germiston. This scientist's archaeological and geological researches have nicde. his name familiar to scientists in Europe and America. Some time ago, a hot spring was discovered thirty miles north of Bloemfontein and in the course of operations designed to open up the eye of the spring, it was necessary to tunnel into a sandhill. In the trend of operations the workmen came upon a quantity of mammallan remains associated with human implements and a quantity of charred wood. The significance of the discovery was not realized by the first finders, but fortunately a Dutch lady in the district suspected that they had scientific value, and prevented the yet held. At this exhibition, which finds from being dispersed, Dr. Bloom went down and examined thom. He found that the bones were chiefly those of hippopotami, eland, bubauls other peck of onts grown on their South Africa, whose horns used to attain a span of 12 feet), equis capensis the gigantic Cape horses long since extinct, which far exceeded the Clydesdale in size), an extinct variety crest of the cup. The third space will of wild beasts, the wart hog, and a number of small buck. Previous discoveries had caused scientists to believe that man had lived in South Africa contemporaneously with the extinct giant buffalo, but the proofs available were inconclusive. Broom regards this discovery as proving their co-existence beyond doubt.

#### BREAKING OUT ON LEG

Hilltop, Kan,-"About two years ago I began to notice a breaking out on my leg. At first it was very small but soon it began to spread until it formed large blotches. The itching was terand almost constant. nights I could not sleep at all. After scratching it to relieve the itching it would burn so dreadfully that I thought I could not stand it. For nearly a year I tried all kinds of salves and ointment, but found no relief. Some salves seemed to make it worse until there were ugly sores, which would break open and run.

"One day I saw an advertisement of Cuticura Remedies. I got a sample of the Cuticura Soap and Cuticura Ointment and began by washing the sores with the Cuticura Soap, then applying the Cuticura Ointment twice a day. I noticed a change and got more Cuticura Soap and Ointment and in a few weeks I was cured. It has healed so nicely that no scar remains." (Signed) Mrs. Anna A. Lew, Dec. 17, 1911.

Cuticura Soap and Ointment sold throughout the world. Sample of each free, with 32-p. Skin Book. Address post-card "Cutleura, Dept. L, Boston."

THE REASON.



Why are you going to church so early, Mildred?"

"To pray for my sweetheart." "But I didn't know you had one." "I haven't-that's why."

### A CLERGYMAN'S TESTIMONY.

The Rev. Edmund Hestop of Wigton, Pa., suffered from Dropey for a year. His limbs and feet were swollen and puffed. He had heart fluttering, was dizzy

and exhausted at the least exertion. Hands and feet were cold and he had such a dragging sensation across the loins that it was difficult to move. After using 5

Rev. E. Heslop. boxes of Dodds Kidney Pills the swelling disappeared and he felt himself again. He says he has been benefited and blessed by the use of Dodds Kidney Pills. Several months later he wrote: I have not changed my faith in your remedy since the above statement was authorized. Correspond with Rev. E. Hes-

lop about this wonderful remedy. Dodds Kidney Pills, 50c, per box at your dealer or Dodds Medicine Co., Buffalo, N. Y. Write for Household Hints, also music of National Anthem (English and German words) and recipes for dainty dishes. All 3 sent free. ship!"

His Sarcastic Fling. "I don't like to invite Mrs. Parvenu to my bridge party, and yet she's a sure loser and good pay."

"I don't think you are going to get money without her company, said the sarcastic husband. "What do you expect her to do, frame your invitation and mail you a check?"

To the Point. "That was a very appropriate re mark the jockey made when they pulled him from under his mount when it stumbled and fell on him." "What was the remark?"

"'This is a horse on me.'" One can fall despite a fine line of

THE COLORADO SILVER TROPHY FOR OATS WON A SECOND TIME BY CANADA.

The most recent achievement of Canada's West is winning for the second time the magnificent \$1,500 silver trophy awarded by the State of Colorado for the best peck of oats. At Columbus, Ohio, in 1911, J. C. Hill & Sons of Lloydminster, Saskatchewan, placed a peck of oats grown on their farm in competition, with oats from every part of the world. The judges had no difficulty in deciding, and the award was given to the Saskatchewan grown oats. In 1912, the Corn Exposition had no exhibition, and our Canadian friends, although ready for a second contest had no opportunity In 1913, the exhibition of the Society was held at Columbus, S. C., and it is said of it that it was one of the best comprised corn and all the smaller grains, Hill & Sons of Lloydminster had on exhibition for the contest anbaini (the huge extinct buffalo of Saskatchewan farm, in 1912. There was no trouble for the judges, no time necessarily lost in reaching a decision, Hill & Sons won, and for the second time their name will appear on the doubtless be occupied by their name, and then this splendid trophy will be theirs.

During the past few years Western Canada grains-wheat, oats, barley and flax-have been in competition with grains from all other countries, and in every case their superiority has been shown. It is not only in oats, but it is in wheat, in barley and in flax, that Canada more than holds its own, when placed side by side with grains from other parts.

Mixed farming is taking a strong hold not only in those parts of Manitoba, Saskatchewan and Alberta, which up to the present have been devoted solely to grain growing, but also in the districts contiguous, where the conditions of climate, shelter, water, grass and hay make farming of this kind, easy to prosecute and large in profits. It was in the Province of Manitoba that the steer was raised that carried off the Championship of the steer class, at Chicago last December. This beast had been fattened on the grass and hay of the Province and the only finishing grain it had was barley; not an ounce of corn.

Western Canada presents innumer able opportunities for the big farmer who wants to cultivate his thousands of acres, the medium man satisfied with a few hundred acres, the man who is content to farm his free homestead of one hundred and sixty acres; it has opportunities for the investor. the capitalist, the business man, the manufacturer and the laborer.

Agents of the Canadian Government located at different points in the United States will be pleased on application, to give any desired information, free of cost .- Advertisement.

Something Seemed Lacking. One of the best known London newspapers, in a review of "Lincoln's Own Stories," collected by Anthony Gross, commented on the anecdote which Lincoln was fond of telling of a family of such migratory habits that they were able to get everything into one wagon, and even the chickens were so used to being moved that whenever they saw the wagon sheets brought out they laid themselves on their backs and crossed their legs. ready to be tied. The British reviewer, with an insular sense of humor, remarked: "One feels a little as though something must have been accidentally left out of this and of many other stories in the book."

Thirteen Not Unlucky for Him. Dr. Nansen has good reason to regard thirteen as a lucky number. The crew of the Fram, in which he made the most successful of his expeditions, consisted of thirteen men, who all after an absence of three years. returned to their homes in perfect safety. Dr. Nansen arrived back in Norway on Aug. 18, 1896, and on the same day the Fram emerged from her long drift on the ice into the open sea. Moreover, during the voyage, as the doctor records, "Kirk presented us with thirteen pups, a curious coincidence-thirteen pups born on Dec. 13, 1893, for thirteen men."

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Too Thorough. "That naval officer is noted for alvays going to the bottom of things." "Good heavens! I hope they won't appoint him to the command of this

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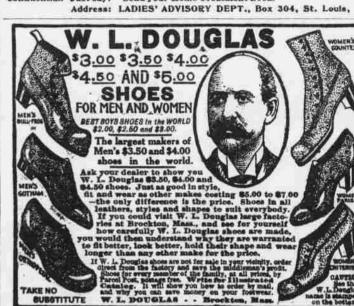
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